

## I. FOREST

### I.A.8.N.c. Conical-crowned temperate or subpolar needle-leaved evergreen forest

#### I.A.8.N.c.2. *JUNIPERUS VIRGINIANA* FOREST ALLIANCE

Eastern Red Cedar Forest Alliance

Hopewell Furnace name: [Eastern Red Cedar Woodland](#)

**Concept:** Forests in this alliance are strongly dominated by *Juniperus virginiana* var. *virginiana* on usually high pH, fire-suppressed sites or old fields, but also mature (100+ year) stands, on limestone or chalk, mostly in blacklands, but occasionally on sandstone (e.g., in Oklahoma). This alliance is most common in old fields and pastures, successional cleared land, and other various disturbed areas, especially on calcareous rocks. The growth of *Juniperus virginiana* var. *virginiana* may be very dense, and the stature may be rather low. Other species that may occur in the canopy of Tennessee stands include *Carya alba*, *Carya ovata*, *Cercis canadensis*, and *Pinus virginiana*. Various oaks (including *Quercus coccinea*, *Quercus falcata*, and *Quercus phellos*) also may be present. The midstory is typically sparse, with canopy species as well as *Cornus florida*, *Ilex opaca*, *Liquidambar styraciflua*, and *Prunus serotina* var. *serotina*. *Frangula caroliniana* may occur in several strata. Herb distribution is patchy, and typical species include *Asplenium platyneuron*, *Chasmanthium laxum*, *Eupatorium* spp., *Polystichum acrostichoides*, and *Carex* spp. This vegetation is also found in the Blackbelt of Alabama, on the margins of Chalk Prairies. In the central and upper midwestern United States, stands of semi-natural vegetation dominated by *Juniperus virginiana* var. *virginiana* typically occur in old fields and other disturbed places. The vegetation may vary in structure from open-canopy woodland (particularly as it invades herbaceous old fields) to dense, closed-canopy forest. *Rhus typhina* may be an associate. This semi-natural red cedar forest type is expected to be found in locally disturbed areas.

**Comments:**

**Range:** This alliance is found in Alabama, Arkansas, Georgia, Kentucky, Louisiana, Mississippi, North Carolina, Oklahoma, South Carolina, Tennessee, Texas, Iowa, Missouri, Virginia (?), West Virginia (?), Massachusetts, New York, Ontario (Canada), and possibly elsewhere.

**States/Provinces:** AL AR GA IA KY LA MA MO MS NC NY OK ON SC TN TX VA? WV?

**Federal Lands:** COE (J. Percy Priest); DOD (Arnold, Camp Gruber); NPS (Cape Cod, Chickamauga–Chattanooga, Chickasaw NRA, Cowpens, Fire Island, Russell Cave, Shiloh, Stones River); TVA (Columbia, Tellico); USFS (Bankhead, Cherokee?, Daniel Boone, Ouachita, Ozark)

**Synonymy:** T1A9c11a. *Juniperus virginiana* (Foti et al. 1994); Eastern Red cedar: 46, in part (Eyre 1980)

**References:** Andreu and Tukman 1995, Eyre 1980, Foti et al. 1994

**Authors:** D.J. ALLARD, RW, Midwest

**Identifier:** A.137